

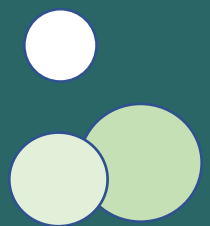
SINGLE-CELL SEQUENCING AND MULTIOMICS

FROM METHOD TO APPLICATION
IN ASTHMA AND OBESITY RESEARCH

Prof. Dr. Holger Garn

2023

November 29
11 a.m.



Seminar Room, Messerli Building
University of Veterinary Medicine, Vienna
Hybrid format

Attendance is free of charge.

Webex link to join online:

<https://vetmeduniwien.webex.com/vetmeduniwien/j.php?MTID=mab60221b9c9a6da3d881605107c07d2c>



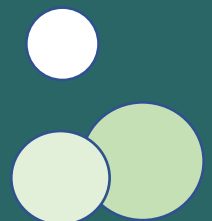
BIO SKETCH

Prof. Dr. Holger Garn, PhD

Holger Garn is heading the Translational Inflammation Research Division and Core Facility for Single Cell Multiomics at the Medical Faculty of the Philipps University of Marburg, Germany.

His scientific interests focus on

- animal models of acute and chronic inflammatory allergic disease conditions of the lung
- disease-causing pathological mechanisms (T cell subpopulations, epithelial cell differentiation processes)
- allergy preventive strategies by prenatal and early life microbial exposure and epigenetic regulation processes
- development and analysis of lung organoids
- analysis of extracellular vesicles and small non-coding RNA cargo as potential intercellular communication mechanism
- single cell multiomics analyses
- novel antisense (DNAzyme)-based treatments for chronic inflammatory diseases



He is co-founder of two spin-off-companies for development of novel antisense-based treatment options for a variety of (immunological) disorders.